

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  150,906 PCT	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No.  PCT/IL 03/00552	International filing date (day/month/year)  03/07/2003	(Earliest) Priority Date (day/month/year)  25/07/2002
Applicant  YISSUM RESEARCH DEVELOPMENT COMPANY OF THE...		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 06 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

BIO-DEGRADABLE MICROSPHERES FOR DIAGNOSING GASTROESOPHAGAL REFLUX

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IL 03/00552

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61K49/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data, EMBASE, PAJ, BIOSIS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	AVITAL AVRAHAM ET AL: "Charcoal is a sensitive, specific, and stable marker for the diagnosis of aspiration in hamsters" PEDIATRIC RESEARCH, vol. 51, no. 3, March 2002 (2002-03), pages 397-401, XP002263602 ISSN: 0031-3998 cited in the application the whole document ----	8
X	EP 0 804 932 A (IMARX PHARMACEUTICAL CORP) 5 November 1997 (1997-11-05) column 4, line 7-11; claims 8-10 ----	1-6
Y		8
X	WO 98 07410 A (MAGDASSI SHLOMO ;SOON SHIONG PATRICK (US); FERRERI KEVIN (US); DES) 26 February 1998 (1998-02-26) page 7, line 9-14; examples 5,6 ----	1-4
Y		8
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

17 December 2003

Date of mailing of the international search report

13/01/2004

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

Internatic Application No  
PCT/IL 03/00552

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/010824 A1 (HANDJANI ROSE-MARIE ET AL) 2 August 2001 (2001-08-02)	1-7
Y	paragraphs '0011!', '0013!; examples 16-18, 21, 22	8
X	US 5 665 383 A (SOON-SHIONG PATRICK ET AL) 9 September 1997 (1997-09-09)	1-7
Y	column 1-2, 7-8; example 5	8
A	<p>---            DATABASE BIOSIS 'Online!            BIOSCIENCES INFORMATION SERVICE,            PHILADELPHIA, PA, US; 1985            CORWIN R W ET AL: "THE LIPID-LADEN            ALVEOLAR MACROPHAGE AS A MARKER OF            ASPIRATION IN PARENCHYMAL LUNG DISEASE"            Database accession no. PREV198681008845            XP002263605            cited in the application            the whole document            &amp; AMERICAN REVIEW OF RESPIRATORY DISEASE,            vol. 132, no. 3, 1985, pages 576-581,            ISSN: 0003-0805</p>	8
A	<p>---            ELIDEMIR OKAN ET AL: "A novel diagnostic            method for pulmonary aspiration in a            murine model: Immunocytochemical staining            of milk proteins in alveolar macrophages"            AMERICAN JOURNAL OF RESPIRATORY AND            CRITICAL CARE MEDICINE,            vol. 161, no. 2 part 1,            February 2000 (2000-02), pages 622-626,            XP002263603            ISSN: 1073-449X            cited in the application            the whole document</p>	8
A	<p>---            DERKSEN O S ET AL: "VALUE OF RADIOLOGY IN            THE DIAGNOSIS OF REFLUX ESOPHAGITIS"            DIAGNOSTIC IMAGING IN CLINICAL MEDICINE,            vol. 54, no. 5, 1985, pages 257-262,            XP009021979            ISSN: 0254-881X            the whole document</p>	8
A	<p>---            MCVEAGH P ET AL: "PULMONARY ASPIRATION            STUDIED BY RADIONUCLIDE MILK SCANNING AND            BARIUM SWALLOW ROENTGENOGRAPHY"            AMERICAN JOURNAL OF DISEASES OF CHILDREN,            vol. 141, no. 8, 1987, pages 917-921,            XP009021952            ISSN: 0002-922X            cited in the application            the whole document</p> <p style="text-align: center;">--- -/--</p>	8

# INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,Y	<p>AVITAL AVRAHAM ET AL: "Polystyrene microspheres as a specific marker for the diagnosis of aspiration in hamsters"            AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY,            vol. 27, no. 4, October 2002 (2002-10),            pages 511-514, XP002263604            ISSN: 1044-1549            the whole document</p> <p>-----</p>	8

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Information on patent family members

International Application No

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